NOVEMBER/DECEMBER 2024

CECA64C — MOBILE COMPUTING

Time : Three hours Maximum : 75 marks

SHANMUGA INDUSTRIES ARTS & SCIENCE COLLEGE LIBRARY

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Give some examples frequencies used for mobile phones.

2. Name the different basic schemes used for digital modulation.

3. What are the advantages of GPRS?

4. Differentiate between infra-satellite and inter-satellite handovers.

5. State the disadvantages of WLAN.

6. Write the primary goal of the IEEE 802.11 standard.

7. Define home agent and also their services.

8. What do you mean by tunnelling?

9. Write down the basic features of wireless mark-up language.

10. What is the use of WCMP?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Enlist the applications of mobile communications.

Or

(b) Briefly discuss on "Direct sequence spread spectrum.

12. (a) Discuss about the code division multiple access technique in detail.

Or

(b) Write an account on digital video broadcasting.

13. (a) Illustrate the system architecture of IEEE 802.11.

Or

(b) Briefly describe the bluetooth technology with their user scenarios.

14. (a) Describe about the goals, assumptions and requirements of mobile IP.

Or

(b) Explicate the significance of dynamic host configuration protecol.

15. (a) Write short notes on wireless telephony application.

Or

(b) Exemplify the several capabilities of WML script.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explicate the significances of signal propagation in wired and wireless transmission.

17. Discuss in detail about the satellite systems.

18. Describe the importance of wireless ATM and their system.

19. Expound the concepts of dynamic host configuration protocol.

20. Illustrate the architecture of wireless application protocol.

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